

# Diyuan Deng

B.Sc. candidate, Data Science & Big Data Technology | embodied AI, LLM inference, applied ML  
diyuanpeng@link.cuhk.edu.cn | +86 153 0153 9901 | Shenzhen, China | [GitHub](#)

## Education

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### The Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen)

Shenzhen, China

B.Sc., Data Science and Big Data Technology

Sept. 2023 – Jun. 2027 (expected)

- GPA: **3.43** / 4.0.
- Coursework: Database Systems, Algorithm Design and Analysis, Stochastic Processes, Optimization, Machine Learning, Statistical Computing.

## Experience

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**Data Engineering Intern** Shanghai Wuzhi Evolution Technology Co., Ltd., Embodied Data R&D Shanghai | Jun.–Aug. 2025

Collaborated with Prof. Bo Zhao's group (Shanghai Jiao Tong University) on embodied AI data and VLA models.

- **xArm** data pipeline and **VLA** optimization; **10,000+** trajectories. **LeRobot** stack; multimodal LLMs and NL commands; grasping/stacking **>90%** success.

## Projects & Research

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**Enterprise LLM Inference (SFGlang)** Core Developer, SF Technology Co., Ltd. Jan. 2026 – Present

- Throughput/comm for **Qwen3**-class LLMs and multimodal (**4B / 30B**) under enterprise load.
- **SGLang**, dual-container; **4090 (PD/EPD, TP/DP/EP, FP8/INT8)**; load-test platform; **two** patents (in progress). **Qwen-30B TP4+DP2: TTFT -48.9%, +664%** throughput; **Qwen-4B TP1+DP2: +750%**.

**NSC-Advisor — Ischemic Stroke Prognosis** Research Assistant Sept.–Dec. 2025

Related work submitted to **ISMRM** (under review).

- Interpretable prognosis (**favorable vs. unfavorable**) from admission data; few-shot, prompting, **RAG**. Dual-input UI; **93.75%** on **16** held-out cases.

**Library Management System** Developer Sept.–Nov. 2024

- Full-stack **Python (tkinter)** + **SQLite**: four normalized tables, composite indexes, **15+** features (**SHA-256** authentication), admin dashboard; tests covered **100%** of requirements.

**2D RPG Combat (UE5 + C++)** Developer Sept.–Dec. 2024

- **C++** combat (three enemy AI types); **Qt** launcher with **SHA-256** messaging; **PaperZD** animation state machines; team **1,000+** lines core code; **best course project**.

## Campus Roles, Honors & Skills

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**Undergraduate Teaching Fellow (USTF)**, School of Data Science Sept. 2024 – Present

- **Data Structures, Databases**, +1 core course; **10+** tutorials, **800+** students; co-designed problems and grading; **SDS Excellent USTF Award** (2024–2025).

**Student Assistant**, University Library Nov. 2023 – Present

- Printers (**X1E, Ultimaker S5, Form 2**), **30+** jobs; **10+** edits (FCP, Photoshop); 3D-printing workshops.

**Founder & Vice President**, 2Tired Cycling Club Jul. 2024 – Present

- Core team **20**, five functions; Songshan Lake & Tour de France meet-up; first year **80+** members, **95%** satisfaction.

**Honors:** CUMCM Guangdong Third (2025); bronze 1500 m (university games); bronze 100 m breaststroke (sports festival).

**Languages:** Chinese (native); English (professional proficiency for coursework and work).

**Technical:** Python (advanced), SQL; C++, R, UE5; LLM serving (SGLang, parallelism, quantization); data engineering.

**Interests:** Cycling, photography, hiking, amateur radio, Model United Nations.